AECV85—L1

Toxicology of Sulphur Gases

A Bibliography

Alberta
ENVIRONMENTAL CENTRE

88-05686/

TOXICOLOGY OF SULPHUR GASES

A BIBLIOGRAPHY

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March 1985

This report may be cited as:

Prior, M.G., D.W. Lee, D.S. Toma. Toxicology of sulphur gases: a bibliography. Vegreville, AB. Alberta Environmental Centre. 1985, 159 p. AECV85-L1.

Copies of this publication may be obtained from:

Communications
Alberta Environmental Centre
Bag 4000
Vegreville, AB
T0B 4L0

PREFACE

INTRODUCTION

This bibliography was created from literature searches on the toxicological effects of emissions of sulphur compounds. No attempt was made to include all references to the effects of acid deposition, to desulphurization techniques or to the measurement of emissions. Although this bibliography is not an authoritative source list, it does represent a comprehensive and systematic search of the literature, with an emphasis on material related to Alberta and Canada.

The subject coverage of the bibliography is restricted to the toxicological and safety aspects. The entries are identical to Lee, D.W. et al (1983), but have been arranged in five categories:

- Hydrogen Sulphide
- Sulphur Oxides
- Miscellaneous Sulphur Compounds
- Airborne Mixtures
- Safety

SOURCES SEARCHED

Computer searching was performed by accessing selected databases on CAN/OLE, DIALOG, INFOMART, MEDLARS, QL Systems and SPIRES (University of Alberta).

Source	Time Coverage
CAN/OLE	
COAL	1978 - 1983
CODOC (Cooperative Documents Project)	1900 - 1983
ELIAS (Environment Libraries Automated Systems)	1976 - 1983
OON (CISTI card catalogue)	1981 - 1983
DIALOG	
APTIC (Air Pollution Tech. Info. Centre) Selected references only	1966 - 1978
IRL (Life Sciences Collection)	1979 - 1983
Excerpta Medica	1975 - 1983
MEDLINE	1966 - 1983
NTIS (National Technical Information Service)	1964 - 1983

INFOMART/SDC	
EPRI (Electric Power Research Industry)	1975 - 1983
TULSA (Petroleum Abstracts)	1965 - 1983
MEDLARS	
TOXLINE	1965 - 1983
QL Systems	
Aquatic Sciences and Fisheries Abstracts	1978 - 1983
SPIRES (University of Alberta)	
AOSI (Alberta Oil Sands Index)	1900 - 1983

Manual searching was performed at Alberta Government departmental libraries. In addition, several hardcopy bibliographies and reference lists were perused and pertinent references were included in this bibliography.

SELECTION OF CITATIONS

Citations were selected for inclusion in this bibliography based on their relevance to the following topics:

Toxicology -- Adverse and toxic effects on any biological systems; structural and functional changes in organs and tissues of all vertebrate and invertebrate species; test methods used for determination of toxicity; and bioassay studies.

Toxicokinetics -- Absorption, distribution, transport, metabolism, and elimination in all species; techniques for measurement of tissues and organ residues; interactions with endogenous substances.

Epidemiology -- Exposure data, morbidity, and mortality rates for general and occupational populations.

Environmental Significance -- Environmental distribution in air, soil, and water; sources of pollution; ecological effects on microorganisms, insects, plants and wildlife; biodegradation and bioconcentration; analytical techniques for sampling and measurement in the environment.

Safety, Control, and Regulations -- Disposal hazards; federal, state, provincial, and international controls, recommendations, and regulations.

These are broad specifications. The general guiding criteria for inclusion is that citations must pertain to the biological or environmental aspects of the chemical.

LITERATURE CITED

The following kinds of literature are cited in this bibliography: journal articles; government reports; patents; organization and corporate reports; books; conference proceedings; and dissertations. In each citation an attempt has been made to supply the user with enough information so that the hardcopy of the document may be easily obtained. The Alberta Environmental Centre Library does not hold all the documents which are referenced in this bibliography. All non-English titles have been translated into English. The language of a non-English article is indicated in the "Note" portion of the citation.

This edition of the bibliography was created and produced using a microcomputer program entitled the Professional Bibliographic System.

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